

CHICAGO
Electric® Power Tools

SPOTLIGHT
30 MILLION CANDLEPOWER

Model 93175

ASSEMBLY AND OPERATING INSTRUCTIONS



3491 Mission Oaks Blvd., Camarillo, CA 93011

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For technical questions and replacement parts, please call 1-800-444-3353

Specifications

Item	Description
Power Source	Battery, sealed lead-acid, 12 VDC, 7 AH
Light Bulb	Xenon, 12 V, 35 W High Intensity Discharge (HID); 3000 hour life
Lens	9 inch (dia.) with reflector
Charging Adapters	Power cord: 110 VAC Car adapter: 12 VDC
Weight	12.6 lbs.
Features	LED charging status indicator; Carrying strap; Built-in charging adapter compartment; Adjustable stand

Save This Manual

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, and parts list. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

Safety Warnings and Precautions

WARNING: When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

Read all instructions before using this tool!

1. **Avoid eye damage.** Do not shine light directly into the eyes of people or animals. Temporary blindness can occur. The High Intensity Discharge (HID) light bulb is three times brighter than a halogen bulb.
2. **Avoid burns.** Do not touch the Spotlight lens during operation. It becomes very hot. Allow the Spotlight to cool down before performing any maintenance.
3. **Avoid overheating the Spotlight.** Do not block the lens and reflector during operation.
4. **Observe work area conditions.** Do not use in damp or wet locations. Don't expose to rain. Do not use electrically powered tools in the presence of flammable gases or liquids.
5. **Keep children away.** Children must never be allowed to use this Spotlight.
6. **Store idle equipment.** When not in use, store in a dry location to inhibit corrosion.

7. **Use the right tool for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool and do not use this tool for a purpose for which it was not intended.
8. **Maintenance.** For your safety, service and maintenance should be performed by a qualified technician as a high voltage hazard exists within the unit circuitry. Battery replacement is not hazardous, however.
9. **Check for damaged parts.** Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Do not use if any parts are broken; or any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician. Do not use the Spotlight if any switch does not turn On and Off properly.
10. **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool. Approved accessories are available from Harbor Freight Tools.

Note: Performance of this Spotlight may vary depending on variations in local line voltage while charging, or Spotlight Battery power.

Battery Precautions

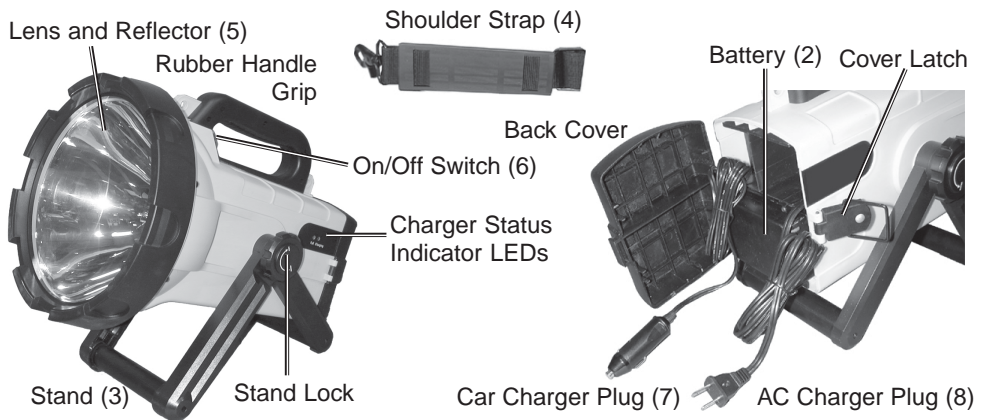
1. Read all instructions and warnings on the Battery before charging the battery.
2. To avoid accidents, charge the supplied Battery only. Use only the attached charging adapters for charging the internal Battery.
3. Replace a dead Battery with only the same type (see Specifications, page 2).
4. Do not expose the Battery to rain or wet conditions.
5. To avoid damage of cable and plug, never pull the cable to disconnect the charging cord.
6. Do not use the charging cable if the cable or plug are damaged.
7. Repairs should be carried out by a qualified technician.
8. Do not touch the Battery poles with any conductive source.
9. Do not store the Battery in a box with other metal objects.
10. Do not throw the Battery in a fire or in the general trash. Contact your local hazardous waste disposal authority for proper disposal.

11. Always recharge the Battery when the Spotlight performance begins to diminish. Severe heat is most destructive to a Battery; the more heat generated, the faster the Battery loses power. A Battery that gets too hot can be permanently damaged. Never over-discharge a Battery by using the tool even after tool performance is decreasing. When tool performance begins to diminish, stop the tool, and recharge the Battery.
12. Always remove the Battery from the Spotlight before performing inspection, maintenance, cleaning procedures, or storage.

Warning: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Unpacking

When unpacking, check to make sure the following parts are included. If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual.



Charging Battery

Caution: Set the Spotlight Switch (6) to the Off position before charging. Never charge the Battery (2) for over 7 hours. Charge only until the green LED Battery Status Indicator comes on. Do not operate the Spotlight while charging.

1. Unlatch the Cover Latch and open the Back Cover of the Spotlight as shown above, right.
2. Pull out and unwind the desired charging cord: the AC Charging Plug (8) for charging from a 110 VAC electrical outlet, or the DC Car Charger Plug (7) for charging from a car outlet.

Caution: Never use both charging cords at the same time. Damage will occur to the charging system. To avoid running down the vehicle battery, it is recommended to charge the Spotlight while driving, or with the engine running in a well ventilated area.

3. Plug in the charging plug adapter.

The Charging Status Indicator turns red, indicating charging. The Battery (2) will charge for approximately 5 hours if the Car Adapter Plug (7) is used, or 7 hours if the AC Charger Plug (8) is used.

Monitor the Charging Indicators. When charging is complete, the Charging Status Indicator changes from red to green, indicating charging is complete.

4. When charging is complete, immediately unplug the charging cord adapter from the power source and store again in the adapter compartment of the Spotlight. Latch the Back Cover.

Operation

Warning: Avoid eye damage. Do not shine light directly into the eyes of people or animals. This Spotlight emits a high intensity beam and could cause temporary blindness if shined directly into the eyes.

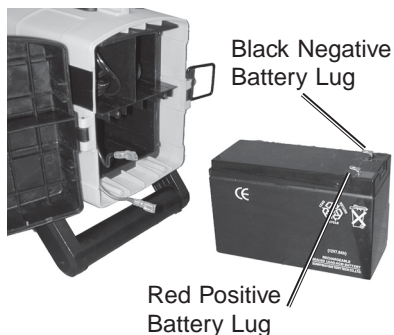
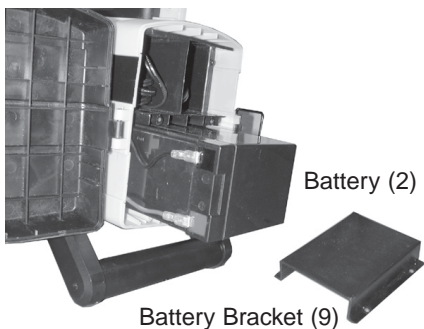
1. To turn the Spotlight on, hold the Rubber Handle Grip with one hand, and push the On/Off Switch (6) with the other.
2. To position the Spotlight at rest, loosen the Stand (3) Lock knob and move the Stand to the desired position. Tighten the knob again.
3. To turn the Spotlight off, push in on the On/Off Switch (6).

Maintenance

1. Store in a clean and dry location.
2. Charge the Battery (2) after each use, whenever performance starts to diminish, and every three months if not used.
3. Repairs to the Spotlight should be done by a qualified technician.

Battery Replacement

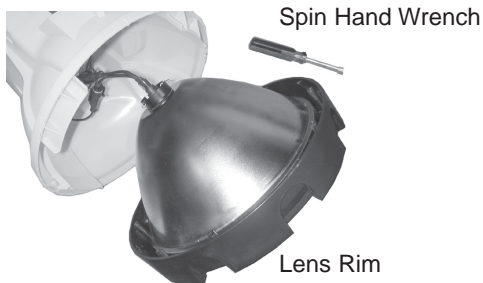
1. Unlatch and open the Back Cover. See photos on the previous page.
2. Remove the four screws of the Battery Bracket (9).
3. Slide out the Battery (2) and carefully pull off each wire lug from the terminals.



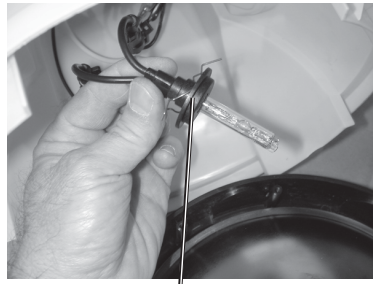
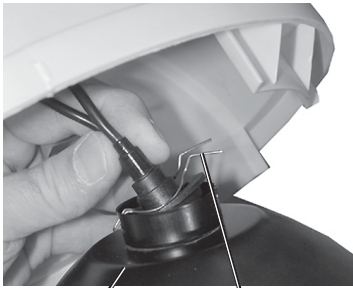
4. Remove the Battery (2) and replace it with a new one of the same make and model (see Specifications on page 2).
5. Push the red wire connector onto the red positive (+) Battery lug.
6. Push the black wire connector onto the black negative (-) Battery lug.
7. Slide the Battery (2) back into the battery compartment and replace the Battery Bracket (9) using four screws.
8. Close the Back Cover and latch the Security Lock.
9. Charge the new Battery (2) as described on page 4.
10. Recycle the old Battery. Do not throw in the trash.

Light Bulb Replacement

1. Press the Switch to the Off position and wait until the unit cools down fully.
2. Turn the Spotlight over so that it rests on the Lens rim. See photo below, left.
3. Using a spin hand wrench (not supplied), loosen and remove all the screws holding the Lens Reflector (5) cover on.
4. Carefully lift the Spotlight by the handle and set it on its side as shown below-right.



5. Squeeze the open ends of the Light Bulb Clip (10) and remove it from the Reflector. See photo below, left.
6. Carefully lift out the Light Bulb (1) assembly. See photo below, right.



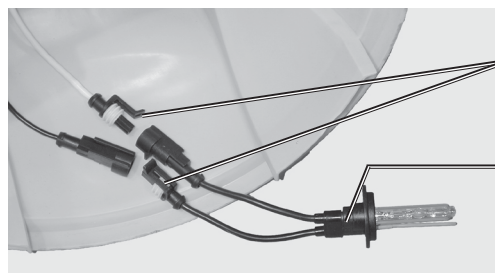
Lens Reflector (5)

Light Bulb Clip (10)

Light Bulb (1) Assembly

7. Lift up on each wire connector tab and pull out the Light Bulb (1) connectors. See photo below.
8. Discard the bad Light Bulb. Place the new Light Bulb near the work area.

Caution: Be careful not to touch the glass portion of the Light Bulb with the hands. Any finger oil or debris on the bulb will cause it to explode when it gets hot. If the new bulb is touched, clean with isopropyl alcohol and allow to dry before installing. Hold the new Light Bulb assembly by its plastic base.



Wire Connector Tab

Light Bulb (1)
Assembly

9. Push the new Light Bulb (1) connector wires onto the wire connectors coming out of the Spotlight as shown above.
10. Insert the Light Bulb (1) into the Reflector and secure with the Light Bulb Clip (10). Note that the base of the Light Bulb assembly has a slot and can only fit into the Lens Reflector (5) one way. See photos at top of page.
11. Reassemble the Lens Rim to the Spotlight Body using the existing screws. Securely tighten with the Spin Hand Wrench (not supplied). See photos at the bottom of page 6.
12. Replace the Battery (2) as described on page 5.

Parts List

Part No.	Description
1.	Xenon Light Bulb, 12 VDC, 35 W, HID
2.	Battery, 12 VDC, lead-acid, 1.7 AH
3.	Stand
4.	Strap, Shoulder
5.	Lens and Reflector
6.	Switch, On/Off
7.	Car Charger Plug
8.	AC Charger Plug
9.	Battery Bracket
10.	Light Bulb Clip

NOTE: Some parts are listed for illustration purposes only and are not available individually as replacement parts.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.